# EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 1 | 10/792062 | US-PGPUB; USPAT | OR | OFF | 2011/01/18 10:59 |
| L2 | 5351 | 455/411 | US-PGPUB; USPAT | OR | OFF | 2011/01/18 11:02 |
| S242 | 2 | "20040248551" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S243 | 27 | location adj determination near5 (authenticat$3 (( MD5 MD-5) adj algorithm)) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S244 | 16 | location adj determination and location adj disclosure | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S245 | 1 | S244 and location near2 determin$5 near5 (authenticat$3 AAA) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S246 | 268 | location near2 determin$5 near5 (authenticat$3 AAA) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S247 | 373 | (location position) near2 determin$5 near5 (authenticat$3 AAA) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S248 | 436 | (location position) near2 (disclos$4 transmi$7 send $3) near5 (authenticat$3 AAA) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S249 | 62 | S247 and S248 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S250 | 2385 | location near2 disclos$3 and location near4 (determin$5 estimat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S251 | 35 | location near2 (transmission disclos$3) near5 (authenticat$3 security) and location near4 (determin$5 estimat $3) near5 (authenticat$3 security) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S252 | 26 | location near2 (transmission disclos$3) near5 (authenticat$3 encrypt$3 PKI (public adj key)) and location near4 (determin$5 estimat$3) near5 (authenticat$3 encrypt$3 PKI (public adj key)) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
|---|---|---|---|---|---|---|
| S253 | 1 | location adj disclosure near4 encrypt$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S254 | 1 | location adj disclosure near4 authenticat$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S255 | 0 | location adj disclosure near4 pki | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S256 | 972 | location adj information near5 (authenticat$3 encrypt$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S257 | 142 | location adj information near5 (authenticat$3 encrypt$3) and (location near3 determin$5) near10 (authenticat$3 encrypt$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S258 | 23 | location adj information near5 (authenticat$3 encrypt$3) and (location near3 determin$5) near10 (authenticat$3 encrypt$3) near15 key | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S259 | 17 | location adj information near5 (authenticat$3 encrypt$3) near15 key and (location near3 determin $5) near10 (authenticat$3 encrypt$3) near15 key | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S260 | 4 | (location position) near2 determination near5 (encrypt$3 authenticat$3) near5 key | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S261 | 142 | location adj information near5 (authenticat$3 encrypt$3) and (location near3 determin$5) near10 (authenticat$3 encrypt$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S262 | 244416 | location adj information near5 (authenticat$3 encrypt$3) and (location near3 determin$5) near10 (authenticat$3 encrypt$3) (location position) near5 (disclos$4 transmi$7) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S263 | 6755 | different adj keys | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
|------|------|-------------------|-----------------|----|----|------------------|
| S264 | 1 | 10/792062 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S265 | 457 | (location near3 (provid$3 disclos$3)) near15 (encrypt $3 authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S266 | 40 | (location near3 (provid$3 disclos$3)) near15 (encrypt $3 authenticat$3) and (location position) near3 (determin$5 estimat$3) near5 (encrypt$3 authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S267 | 943658 | (position location) near2 determin$7 near6 (authenticat$3 same key) and (disclos$3 transmi$7 provid$3) nea4 (authenticat $3 sa,e key) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S268 | 48062 | (position location) near2 determin$7 near6 (authenticat$3 same key) and (disclos$3 transmi$7 provid$3) nea4 (authenticat $3 same key) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S269 | 1 | (position location) near2 determin$7 near6 (authenticat$3 same key) and (disclos$3 transmi$7 provid$3) near4 (authenticat$3 same key) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S270 | 456 | (position location) near2 determin$7 near6 (authenticat$3 encrypt$3 decrypt$3) and (disclos$3 transmi$7 provid$3) near4 (authenticat$3 decrypt$3 encrypt$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S271 | 81 | (position location) near2 determin$7 near6 (authenticat$3 encrypt$3 decrypt$3) and (disclos$3 transmi$7 provid$3) near4 (authenticat$3 decrypt$3 encrypt$3) and (location position) near3 request$3 same authenticat$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S272 | 97 | (position location) near2 determin$7 near6 (authenticat$3 encrypt$3 decrypt$3) and (disclos$3 transmi$7 provid$3) near4 (authenticat$3 decrypt$3 encrypt$3) and (key near2 different) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
|---|---|---|---|---|---|---|
| S273 | 28 | (position location) near2 determin$7 near6 (authenticat$3 encrypt$3 decrypt$3) and (disclos$3 transmi$7 provid$3) near4 (authenticat$3 decrypt$3 encrypt$3) and (key near2 different) and (location position) adj information | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S274 | 675 | ((location position) near2 (determin$5) near2 (entity entities)) and PDE | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S275 | 1 | S274 and ((location position) near2 (determin $5) near2 (entity entities)) near5 (authenticat$3 encrypt$3 decrypt$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S276 | 26 | "6385458" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S277 | 1 | "20020077119" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S278 | 5 | S274 and ((location position) near2 (determin $5) near2 (entity entities)) near5 (authoriz$3 authenticat$3 encrypt$3 decrypt$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S279 | 4208534 | @ad<"20030305" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S280 | 3332 | (location position) near4 (determin$7) near10 (authoriz$5 encrypt$3 secure decrypt$3 authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S281 | 1111 | S279 and S280 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S282 | 5291 | (location position) near4 (send$3 transmi$7 provid $3 disclos$3 distribut$3) near10 (authoriz$5 encrypt $3 secure decrypt$3 authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S283 | 283 | S281 and S282 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S284 | 219 | S283 and (location position) same (((mobile wireless portable handheld cell$4) adj (phone telephone terminal device station unit subscriber user computer client)) user subscriber) same (encrypt $3 authenticat$3 authoriz $5 decrypt$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
|------|-----|------|------|------|------|------|
| S285 | 196 | S283 and (location position) same (((mobile wireless portable handheld cell$4) adj (phone telephone terminal device station unit subscriber user computer client)) user subscriber) same (encrypt $3 authenticat$3 authoriz $5 decrypt$3) and (location position) near3 information | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S286 | 132 | S283 and (location position) same (((mobile wireless portable handheld cell$4) adj (phone telephone terminal device station unit subscriber user computer client)) user subscriber) same (encrypt $3 authenticat$3 authoriz $5 decrypt$3) and (location position) adj information | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S287 | 77 | S283 and (location position) same (((mobile wireless portable handheld cell$4) adj (phone telephone terminal device station unit subscriber user computer client)) user subscriber) same (encrypt $3 authenticat$3 authoriz $5 decrypt$3) and (location position) adj information and (location position) near2 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S288 | 1 | LCS adj sessions | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S289 | 0 | LCS near5 different adj session | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S290 | 1412 | (location position) near2 service near5 different | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |

| S291 | 5 | (location position) near2 service near5 different and different near5 ((security authenticat$3 encrypt$3) adj (procedure process)) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
|------|---|-----|-----|-----|-----|-----|
| S292 | 117 | (location position) near2 (determin$5 calculat$3 estimat$3) near10 (authoriz $5 and (encrypt$3 authenticat$3 encrypt$3)) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S293 | 125 | (location position) near2 (determin$5 calculat$3 estimat$3) near10 (authoriz $5 near25 (encrypt$3 authenticat$3 encrypt$3)) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S294 | 75 | (location position) near2 (disclo$3 transmi$7 provid $3 send$3) near10 (authoriz$5 near25 (encrypt $3 authenticat$3 encrypt $3)) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S295 | 10 | S293 and S294 | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S296 | 368 | (location position) near12 (disclo$3 transmi$7 provid $3 send$3) near10 (authoriz$5 near25 (encrypt $3 authenticat$3 encrypt $3)) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S297 | 27 | S293 and S296 | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S298 | 182 | (location position) adj information near10 (authenticat$3 same authoriz$5) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S299 | 35 | S279 and S298 | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S300 | 5 | (lcs location position) adj server near5 (authoriz$5) near10 (location position) adj information same (authenticat$3 authoriz$5) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S301 | 8 | (location position) adj information same (first and second) adj security | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S302 | 30 | "6064741" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S303 | 2512 | 380/270 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S304 | 604 | 380/258 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S305 | 1145 | 380/247 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
|---|---|---|---|---|---|---|
| S306 | 2 | "20040248551" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S307 | 41 | (location adj (information data)) near4 (availab$5) near5 (determin$5 verif$7 check$3) near5 (memory database cache (location adj cache)) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S308 | 7 | (location adj determination) near5 key same (authenticat$3 authoriz$5) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S309 | 7 | (location adj determination) near5 key same (authenticat$3 authoriz$5) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S310 | 13 | (location near4 determin $7) near25 (key near2 (obtain$3 session deriv$5)) same (authenticat$3 authoriz$5) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S311 | 13 | (location near4 determin $7) near25 (key near2 (obtain$3 exchang$3 session deriv$5)) same (authenticat$3 authoriz$5) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S312 | 1 | "20080144640" | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S313 | 30 | "6064741" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S314 | 3 | 2002/0004399 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S315 | 1 | "20020004399" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S316 | 2 | "20030119481" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S317 | 9704 | (location position) near3 (determin$5) same (location position) near5 (disclos$4 distribut$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S318 | 129 | S317 and (location position) near4 determin$7 near35 (authoriz$3 authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S319 | 49 | S317 and (location position) near4 (disclos$3 distribut$4) near35 (authoriz$5 authenticat$5) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S320 | 25 | S318 and S319 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
|------|----|----|----|----|----|----|
| S321 | 0 | "10792062" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S322 | 1 | "10/792062" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S323 | 4208534 | @ad<"20030305" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S324 | 0 | S322 and S323 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S325 | 9 | S320 and S323 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S326 | 4 | S325 and (position location) near4 (request$3 quer$5) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S327 | 1 | location near3 service and (location position) near25 cache and (location near2 disclos$4) near5 authoriz $7 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S328 | 2 | (location position) near25 cache and (location near2 disclos$4) near5 authoriz $7 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S329 | 71 | rowitch.in. | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S330 | 2 | S329 and (location near4 disclosure) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S331 | 256 | (location position) adj information near4 cache and (location position) near5 (request$3 quer$6) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S332 | 169 | (location position) adj information near4 cache and (location position) near5 (request$3 quer$6) and (location) near5 determin$6 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S333 | 73 | S323 and S332 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S334 | 34864 | request$3 same (authoriz $7) and authenticat$7 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S335 | 2339 | (location position) near15 request$3 same (authoriz $7) and authenticat$7 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S336 | 1082 | (location position) near15 request$3 same (authoriz $7) same authenticat$7 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S337 | 7 | S333 and S336 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
|------|---|----------------|-----------------|-----|------|------------------|
| S338 | 13 | ((position adj determin$5 adj (equipment entity)) PDE LFE (location adj finding adj (entity equipment))) near10 (authoriz$5 and authenticat $5) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S339 | 4208534 | @ad< "20030305" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S340 | 0 | S338 and S339 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S341 | 37 | ((position adj determin$5 adj (equipment entity)) PDE LFE (location adj finding adj (entity equipment))) near10 (authoriz$5 authenticat$5) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S342 | 1 | S339 and S341 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S343 | 873 | ((position adj determin$5 adj (equipment entity)) GPS PDE LFE (location adj finding adj (entity equipment))) near10 (authoriz$5 authenticat$5) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S344 | 13 | ((position adj determin$5 adj (equipment entity)) GPS PDE LFE (location adj finding adj (entity equipment))) near10 (authoriz$5 authenticat$5) same (location position) near5 request$3 same (location adj server) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S345 | 5 | (location position) near4 determin$7 near25 (authoriz$7 authenticat$4) near25 (GPS LDE PDE) near25 ((location adj server) LCS) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S346 | 181 | (location position) near3 determination near5 (authoriz$7 authenticat$5) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S347 | 53 | S339 and S346 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S348 | 1231 | (location position) near3 determin$7 near5 (authoriz $7 authenticat$5) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S349 | 57 | (location position) near3 determin$7 near5 (authoriz $7 and authenticat$5) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S350 | 19 | S339 and S349 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S351 | 11 | S350 and (location position) adj (information) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S352 | 10 | S351 and (location position) near4 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S353 | 61 | location adj determination near5 (authoriz$5 authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S354 | 4208534 | @ad<"20030305" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S355 | 14 | S353 and S354 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S356 | 0 | location adj determination near25 GPS near25 (authenticat$3 same authoriz$7) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S357 | 6 | ((PDE LDE LFE) ((position location) adj determin$5)) same GPS near25 (authenticat$3 same authoriz$7) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S358 | 2 | S354 and S357 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S359 | 0 | LCS near10 (key adj exchange) and location near5 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S360 | 0 | LCS near10 (key near4 exchange) and location near5 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S361 | 9 | location adj server same (LDE PDE LFE) same (location position) near4 request$3 same (authoriz $5 authenticat$5) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S362 | 1 | S354 and S361 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S363 | 7 | location adj server same (LDE PDE LFE) near15 (authoriz$5 authenticat$5) and (location position) near4 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S364 | 1 | S354 and S363 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S365 | 37 | location adj server same (location position) near3 determin$7 near15 (authoriz$5 authenticat$5) and (location position) near2 information | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
|------|----|----|----|----|----|----|
| S366 | 6 | S354 and S365 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S367 | 16 | ((lcs adj server) ((location position) adj server)) same (PDE LFE LDE GPS) same (authoriz$7 verif$7) same authenticat$4 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S368 | 1 | S354 and S367 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S369 | 23 | ((PDE LDE LFE) ((position location) adj determin$5 adj (entity equipment))) near5 (authoriz$6 authenticat$5) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S370 | 3305159 | S354 and "20" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S371 | 0 | S354 and S369 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S372 | 45 | ((PDE LDE LFE) ((position location) adj determin$5 adj (entity equipment))) near15 (authoriz$6 authenticat$5) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S373 | 2 | S354 and S372 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S374 | 139 | ((mobile portable wireless cell$4 handheld) adj (phone telephone terminal device unit station)) near25 GPS near25 (location position) near5 (calculat$3 determin$7) same (authoriz$7 authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S375 | 45 | ((mobile portable wireless cell$4 handheld) adj (phone telephone terminal device unit station)) near25 GPS near25 (location position) near5 (calculat$3 determin$7) near25 (authoriz$7 authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S376 | 10 | S354 and S375 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S377 | 0 | S376 and (((location position) adj server) (LCS adj server)) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
|------|---|---|---|---|---|---|
| S378 | 9 | S376 and (location position) near5 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S379 | 42 | ((mobile portable wireless cell$4 handheld) adj (phone telephone terminal device unit station)) same GPS same (location position) near5 (calculat$3 determin$7) same (authoriz $7 same authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S380 | 3 | S354 and S379 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S381 | 7 | ((mobile portable wireless cell$4 handheld) adj (phone telephone terminal device unit station)) near24 (location position) near5 (service request$3) and GPS near25 (location position) near25 (authoriz $7 same authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S382 | 2 | S354 and S381 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S383 | 8 | (((mobile portable wireless cell$4 handheld) adj (phone equipment apparatus telephone terminal device unit station)) MS MT) near24 (location position) near5 (service request$3) and GPS near25 (location position) near25 (authoriz $7 same authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S384 | 6 | (((mobile portable wireless cell$4 handheld) adj (phone equipment apparatus telephone terminal device unit station)) MS MT) same (location position) near5 (service request$3) and GPS near25 (location position) near25 (authoriz $7 same authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S385 | 18 | ((((mobile portable wireless cell$4 handheld) adj (phone equipment apparatus telephone terminal device unit station)) MS MT) same (location position) and GPS near25 (location position) near25 (authoriz$7 same authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| --- | --- | --- | --- | --- | --- | --- |
| S386 | 5 | S354 and S385 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S387 | 22 | GPS near25 (location position) near25 (authoriz $7 same authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S388 | 7 | S354 and S387 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S389 | 413 | GPS near25 (location position) near25 (authoriz $7) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S390 | 244 | ((((mobile portable wireless cell$4 handheld) adj (phone equipment apparatus telephone terminal device unit station)) MS MT) same (location position) and GPS near25 (location position) near25 (authoriz$7) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S391 | 44 | S354 and S390 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S392 | 22 | S391 and authenticat$5 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S393 | 261 | GPS near5 (location position) near15 (authoriz $7) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S394 | 62 | S354 and S393 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S395 | 16 | S394 and (location position) near4 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S396 | 5 | S395 and authenticat$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S397 | 57 | (GPS PDE LDE LFE) near6 authoriz$7 near25 (location position) near5 (determin$7 calculat$4 deriv$4) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S398 | 19 | S354 and S397 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S399 | 21 | ((((location position) adj server) (LCS adj server)) near5 authorization near4 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
|------|-----|---|---|---|---|---|
| S400 | 13 | S354 and S399 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S401 | 1 | ((((location position) adj server) (LCS adj server)) near5 authorization same (PDE LFE GPS) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S402 | 13 | ((((location position) adj server) (LCS adj server)) near5 authoriz$7 same (PDE LFE GPS) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S403 | 2 | S354 and S402 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S404 | 21 | ((((location position) adj server) (LCS adj server)) near15 authoriz$7 same (PDE LFE GPS) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S405 | 863254 | S354 and "53" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S406 | 5 | S354 and S404 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S407 | 8 | ((((mobile portable wireless cell$4 handheld) adj (phone equipment apparatus telephone terminal device unit station)) MS MT) same own near2 (location position) same (authoriz$7 same authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S408 | 1 | S354 and S407 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S409 | 0 | (determin$5 calculat$3) near3 own near2 (position location) near15 (authoriz $7 and authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S410 | 0 | (determin$5 calculat$3) near3 own near2 (position location) near25 (authoriz $7 and authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S411 | 0 | own near2 (position location) near25 (authoriz $7 and authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S412 | 36 | own near2 (position location) near25 (authoriz $7) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S413 | 4208534 | @ad<"20030305" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
|------|---------|----------------|-----------------|-----|-----|------------------|
| S414 | 14 | S412 and S413 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S415 | 6 | S414 and authenticat$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S416 | 84 | (location position) near3 request$3 and (LDE PDE LFE GPS) near5 authoriz$7 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S417 | 12 | S413 and S416 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S418 | 6 | (location adj server) same (location position) adj determin$7 near25 (authoriz$7) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S419 | 22 | ((((position location) adj (finding determining) adj (entity equipment)) lfe lde pde) near5 (authoriz$7 authenticat$) and (location position) near5 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S420 | 0 | S413 and S419 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S421 | 22 | ((((position location) adj (finding determining) adj (entity equipment)) lfe lde pde) near5 (authoriz$7 authenticat$) and (location position) near5 information | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S422 | 22 | ((((position location) adj (finding determining) adj (entity equipment)) lfe lde pde) near5 (authoriz$7 authenticat$) and (location position) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S423 | 676 | ((((position location) adj (finding determining) adj (entity equipment)) lfe lde pde gps (location adj server)) near5 (authoriz$7 authenticat$) and (location position) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S424 | 302 | ((((position location) adj (finding determining) adj (entity equipment)) lfe lde pde gps (location adj server)) near5 (authoriz$7 authenticat$) and (location position) near5 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S425 | 90 | S413 and S424 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S426 | 49 | (((position location) adj (finding determining) adj (entity equipment)) lfe lde pde gps (location adj server)) near5 (authoriz$7 and authenticat$) and (location position) near5 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
|------|-----|------|------|-----|-----|------|
| S427 | 19 | S413 and S426 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S428 | 1442 | fitch.in. | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S429 | 39 | fitch.in. same james | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S430 | 16 | fitch.in. same james and location adj information | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S431 | 600353 | fitch.in. same james and location adj information sme manag$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S432 | 4 | fitch.in. same james and location adj information same manag$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S433 | 38 | (((location adj finding adj equipment) (LFE) (position adj determin$6 adj equipment) (PDE)) same (authoriz$7 and authenticat$3) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S434 | 3 | S413 and S433 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S435 | 22 | (((position location) adj (finding determining) adj (entity center centre equipment)) lfe lde pde) near5 (authoriz$7 authenticat$) and (location position) near5 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S436 | 43 | (((position location) adj (finding determining) adj (entity center centre equipment)) lfe lde pde) near15 (authoriz$7 authenticat$) and (location position) near5 request$3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S437 | 1 | S413 and S436 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S438 | 22 | ((((position location) adj (finding determining) adj (entity center centre equipment)) lfe lde pde) near15 (authoriz$7 authenticat$) near5 request $3 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
|------|-----|------|------|------|------|------|
| S439 | 0 | ((((mobile wireless portable hadheld cell$4) adj (phone equipment telephone terminal unit station device)) MS MT) near5 own adj (position location) same (authoriz$7) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S440 | 0 | ((((mobile wireless portable hadheld cell$4) adj (phone equipment telephone terminal unit station device)) MS MT apparatus) near5 own adj (position location) same (authoriz $7) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S441 | 0 | ((((mobile wireless portable hadheld cell$4) adj (phone equipment telephone terminal unit station device)) MS MT terminal apparatus) near5 own adj (position location) same (authoriz$7) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S442 | 12 | ((((mobile wireless portable hadheld cell$4) adj (phone apparatus equipment telephone terminal unit station device)) MS MT terminal device apparatus) near5 own adj (position location) same (authoriz $7) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S443 | 7 | S413 and S442 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S444 | 3 | (location position) adj determin$7 adj (entity equipment center centre) near10 (authorizat$7) same gps | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S445 | 2 | AGPS near5 authorization | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S446 | 12430 | ((((location position) adj (determin$7 finding) adj (entity equipment center centre)) PDE LFE LDE) | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |

| S447 | 97 | (((location position) adj (determin$7 finding) adj (entity equipment center centre)) PDE LFE LDE) near10 (authenticat$7 authoriz$7 verif$7) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
|------|----|-----|------|------|------|------|
| S448 | 39 | S413 and S447 | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S449 | 11 | S448 and (location position) near5 request$3 | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S450 | 12 | authorization near5 request $3 same ((PDE LDE LFE (positioning adj (circuit device))) ((position location) adj (finding determining) adj (entity equipment))) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S451 | 13 | (location adj server) near10 (authoriz$6 authenticat$3) near10 (PDE LFE LDE ((position location) adj (finding determining) adj (entity equipment)) gps) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S452 | 14 | ((location adj server) (lcs adj server)) near10 (authoriz$6 authenticat$3) near25 (PDE LFE LDE ((position location) adj (finding determining) adj (entity equipment)) gps) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S453 | 0 | S413 and S452 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S454 | 35 | ((location adj server) (lcs adj server)) near10 (authoriz$6 authenticat$3) same (PDE LFE LDE ((position location) adj (finding determining) adj (entity equipment)) gps) | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S455 | 5 | S413 and S454 | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S456 | 0 | "10792062" | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S457 | 1 | "10/792062" | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S458 | 16 | serving adj network same home adj network same location adj service | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S459 | 3 | location adj server same H-aaa | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |

| S460 | 75 | ((location adh server) (LCS adj server)) same H-aaa | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
|------|------|------|------|------|------|------|
| S461 | 3 | ((location adj server) (LCS adj server)) same H-aaa | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S462 | 4 | ((location adj server) (LCS adj server)) and H-AAA | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S463 | 385 | ((location adj server) (LCS adj server)) and aAA | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S464 | 76 | ((location adj server) (LCS adj server)) same AAA | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S465 | 3 | ((location adj server) (LCS adj server)) same AAA same gmlc | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S466 | 30 | ((location adj server) (LCS adj server)) same AAA and location near4 request$3 | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S467 | 4208534 | @ad<"20030305" | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S468 | 2 | S466 and S467 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:25 |
| S469 | 30 | ((location adj server) (LCS adj server)) same AAA and (location position) near3 request$3 | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S470 | 0 | loction near3 request$3 same AAA | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S471 | 93 | location near3 request$3 same AAA | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S472 | 14 | S467 and S471 | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:25 |
| S473 | 604 | 380/258 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:48 |
| S474 | 3485 | 455/435.1 | US-PGPUB; USPAT | OR | ON | 2011/01/17 21:48 |
| S475 | 66232 | 455/456.2 455/456.1 455/456.3 455/457 455/456.4 455/456.5 455/456.6 709/203 709/223 709/225 380/258 | US-PGPUB; USPAT | OR | OFF | 2011/01/17 21:52 |
| S476 | 0 | ((location adj service) and LCS and authoriz$7 and (location adj information) and authenticat$3 and skip $4 and security and suitable and cache).clm. | US-PGPUB; USPAT | OR | ON | 2011/01/17 22:04 |

**1/18/2011 11:02:44 AM**
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